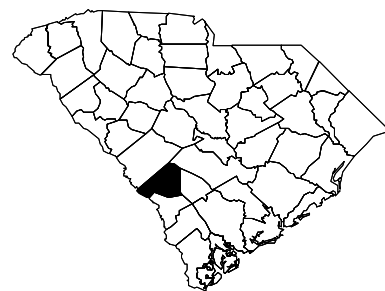


IMPACT OF CHRONIC CONDITIONS BARNWELL County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Barnwell county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Barnwell county's population is similar to the state population. The majority (37%) of the population in Barnwell county are between the ages of 18-44. There are more females (52%) than males (48%). Barnwell county has a higher minority population (44%), and a higher population under the age of 18 (26%) than the state (32% and 24%, respectively). When adults in Barnwell county were asked about their general health status, 76.1% reported having excellent, very good, or good health in 2002 (SC was 83%).

	BARNWELL COUNTY	STATE
Population size	23,407	4,107,183
Age distribution (%)		
<18	26	24
18-44	37	40
45-64	24	24
65-84	11	11
85+	2	1
Race (%)		
White	56	68
Black & Other	44	32
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Barnwell County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	26	27
Sedentary lifestyle	39	42
Overweight	62	60
High Cholesterol	7	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons 65 years and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.5	.	.	.	.	28.4
Number of hospitalizations	51	38	13	15	36	5,173
Standard rate of hospitalizations (per 100,000)	213	448	82	134	267	125
Median age of hospitalized patients	65	63	73	63	68	63
Total cost of hospitalization (\$)	660,600	499,000	161,600	294,100	366,500	79,350,400
Average length of hospital stay (days)	4	4	4	5	4	5
Number of ED visits	70	56	14	32	38	7,306
Standard rate of ED visits (per 100,000)	295	608	90	306	292	175
Median age of ED patients	53	53	53	53	53	53
Total cost of ED visits (\$)	41,100	34,200	6,900	19,000	22,100	5,902,800
Number of deaths*	2	2	-	2	-	366
Standard death rate (per 100,000)*	8	22	-	16	-	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.48	.	.	.	.	5.13
Number of hospitalizations	174	58	116	89	85	30,831
Standard rate of hospitalizations (per 100,000)	714	712	728	856	600	734
Median age of hospitalized patients	68	63	68	68	73	68
Total cost of hospitalization (\$)	4,989,500	1,609,500	3,380,000	3,036,300	1,953,200	969,122,700
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ED visits	57	26	31	28	29	2,754
Standard rate of ED visits (per 100,000)	238	311	202	265	205	66
Median age of ED patients	63	63	63	63	65	63
Total cost of ED visits (\$)	132,400	43,800	88,600	65,100	67,300	10,617,900
Number of deaths*	72	30	42	34	38	9,723
Standard death rate (per 100,000)*	306	401	267	397	253	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.68	.	.	.	.	2.38
Number of hospitalizations	86	37	49	29	57	14,317
Standard rate of hospitalizations (per 100,000)	350	439	302	278	406	351
Median age of hospitalized patients	73	68	73	68	73	73
Total cost of hospitalization (\$)	1,364,900	730,800	634,100	422,900	942,000	279,819,700
Average length of hospital stay (days)	6	8	4	6	6	6
Number of ED visits	34	14	20	16	18	2,732
Standard rate of ED visits (per 100,000)	141	166	132	154	135	67
Median age of ED patients	68	68	68	63	73	73
Total cost of ED visits (\$)	66,800	30,000	36,800	38,500	28,300	6,322,600
Number of deaths*	17	8	9	6	11	2,816
Standard death rate (per 100,000)*	71	95	56	64	75	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	96	34	62	31	65	14,524
Standard rate of hospitalizations (per 100,000)	405	370	406	312	498	351
Median age of hospitalized patients	53	45	63	58	53	58
Total cost of hospitalization (\$)	789,400	300,700	488,700	275,800	513,600	198,700,700
Average length of hospital stay (days)	3	3	4	3	3	5
Number of ED visits	261	150	111	110	151	37,517
Standard rate of ED visits (per 100,000)	1,124	1,477	852	996	1,263	914
Median age of ED patients	33	23	38	18	38	33
Total cost of ED visits (\$)	159,800	89,100	70,700	77,000	82,800	30,607,600
Number of deaths*	15	4	11	9	6	1,891
Standard death rate (per 100,000)*	65	56	70	119	37	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	7.14	.	.	.	.	8.33
Number of hospitalizations	73	56	17	32	41	8,652
Standard rate of hospitalizations (per 100,000)	305	620	116	298	319	207
Median age of hospitalized patients	58	53	58	53	58	53
Total cost of hospitalization (\$)	799,300	638,700	160,600	327,100	472,200	127,167,500
Average length of hospital stay (days)	5	6	5	4	6	6
Number of ED visits	107	77	30	53	54	9,316
Standard rate of ED visits (per 100,000)	450	855	201	485	408	224
Median age of ED patients	48	48	53	48	53	53
Total cost of ED visits (\$)	64,200	48,700	15,500	32,400	31,800	8,261,100
Number of deaths*	10	9	1	1	-	1,114
Standard death rate (per 100,000)*	43	126	7	25	-	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	121	51	70	49	72	24,644
Standard rate of hospitalizations (per 100,000)	506	600	470	469	565	591
Median age of hospitalized patients	63	63	63	68	53	58
Total cost of hospitalization (\$)	2,223,600	901,600	1,322,000	1,078,200	1,145,400	605,119,300
Average length of hospital stay (days)	6	6	6	6	5	6
Number of deaths*	45	12	33	29	16	8,320
Standard death rate (per 100,000)*	186	147	206	326	110	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	2,113
Standard rate of hospitalizations (per 100,000)	32	39	30	27	35	51
Median age of hospitalized patients	73	73	73	73	73	68
Total cost of hospitalization (\$)	174,600	47,300	127,300	47,300	127,300	80,248,200
Average length of hospital stay (days)	9	7	10	7	10	10
Number of deaths*	6	2	4	4	2	807
Standard death rate (per 100,000)*	24	22	24	36	15	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,465
Standard rate of hospitalizations (per 100,000)	33	34	35	.	62	35
Median age of hospitalized patients	55	58	53	.	55	63
Total cost of hospitalization (\$)	97,100	19,100	78,000	.	97,100	21,213,600
Average length of hospital stay (days)	1	1	2	.	1	3
Number of deaths*	1	-	1	-	1	630
Standard death rate (per 100,000)*	4	-	6	-	7	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	222
Standard rate of hospitalizations (per 100,000)	5
Median age of hospitalized patients	48
Total cost of hospitalization (\$)	3,668,300
Average length of hospital stay (days)	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	8	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	5	6	5	6	2,154
Standard rate of hospitalizations (per 100,000)	44	59	38	44	42	51
Median age of hospitalized patients	63	63	63	63	70	68
Total cost of hospitalization (\$)	274,600	110,600	164,000	136,900	137,700	70,474,400
Average length of hospital stay (days)	8	8	9	7	9	9
Number of deaths*	8	1	7	7	1	2,481
Standard death rate (per 100,000)*	33	14	43	78	7	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	4	7	11	.	1,353
Standard rate of hospitalizations (per 100,000)	45	49	41	104	.	32
Median age of hospitalized patients	68	63	68	68	.	68
Total cost of hospitalization (\$)	197,800	82,600	115,200	197,800	.	24,726,200
Average length of hospital stay (days)	3	3	2	3	.	4
Number of deaths*	1	-	1	1	-	478
Standard death rate (per 100,000)*	4	-	6	10	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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